

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1319499

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R30B2750DE010 E3SQCA301MMS_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

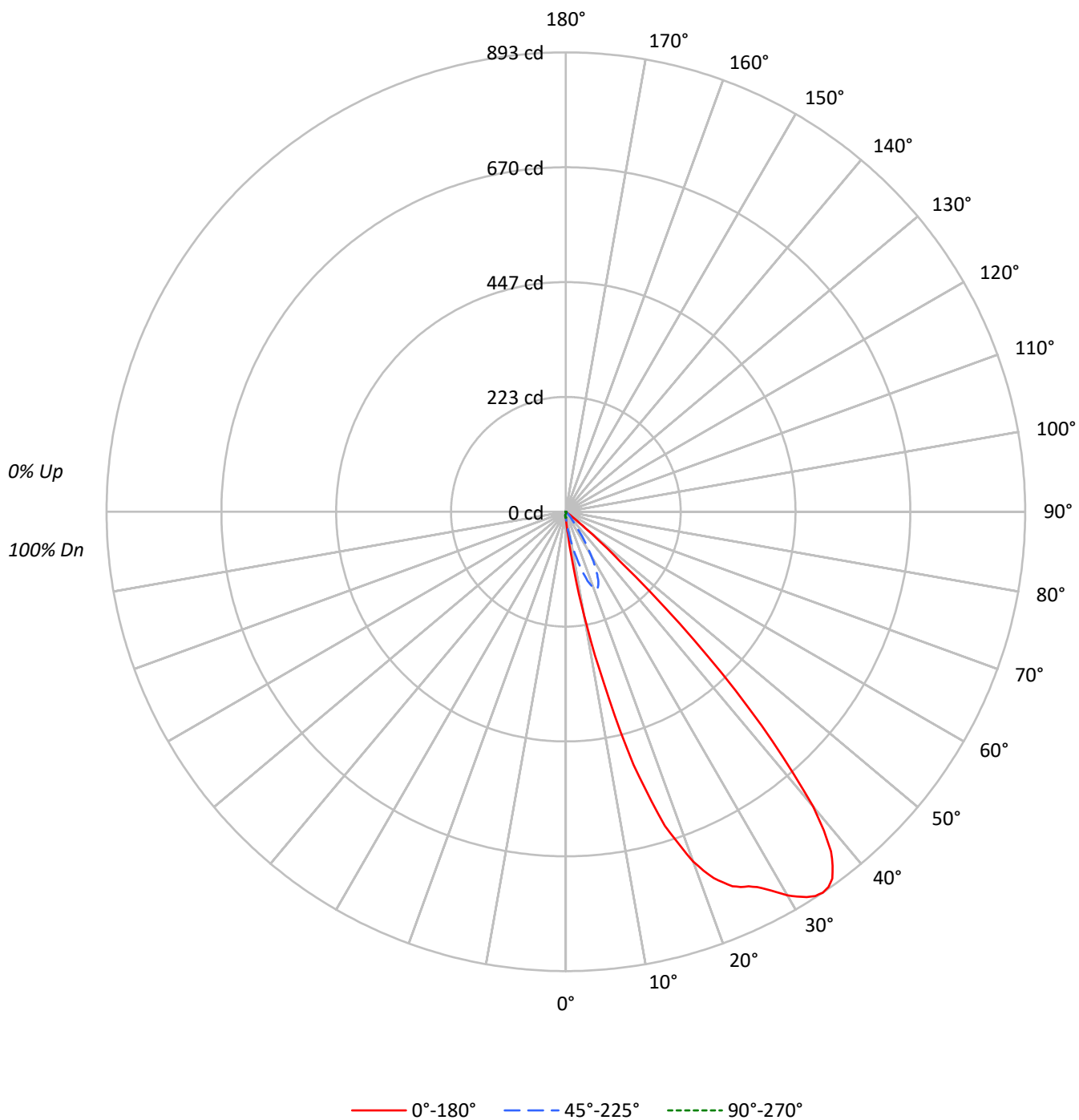
Lumens per Lamp: N/A
Luminaire Lumens: 215.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1981	1981	1981	1981	1981
5°	7192	4460	1815	726	519
10°	35570	10685	1417	140	0
15°	90736	20362	891	0	0
20°	132563	28958	367	0	0
25°	152933	28409	76	0	0
30°	171164	19509	0	0	0
35°	187202	8389	0	0	0
40°	168009	3260	0	0	0
45°	85806	1315	0	0	0
50°	13236	161	0	0	0
55°	781	0	60	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	399	0	0
80°	0	198	595	0	0
85°	0	395	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 85806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	1.1
10°-20°	28.6	13.3
20°-30°	70.8	32.9
30°-40°	81.4	37.9
40°-50°	30.2	14.0
50°-60°	1.1	0.5
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	101.8	47.4
0°-40°	183.3	85.2
0°-60°	214.5	99.8
0°-90°	215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	42	26	10	4	3	9
15°	509	114	5	0	0	146
25°	805	150	0	0	0	372
35°	890	40	0	0	0	540
45°	352	5	0	0	0	274
55°	3	0	0	0	0	9
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
2.5°	20.4	20.6	20.6	20.0	19.8	19.6	19.0	17.2	14.3	11.5	9.3
5°	41.6	41.8	41.8	40.6	38.1	35.7	33.7	25.8	16.5	10.5	6.9
7.5°	98.1	98.3	94.0	89.2	79.5	74.5	65.2	39.7	18.8	9.5	4.4
10°	203.4	198.9	187.8	173.7	158.8	139.4	119.8	61.1	20.4	8.1	2.8
12.5°	340.0	335.7	321.4	301.2	272.0	234.0	196.9	86.0	20.6	6.5	1.6
15°	508.9	496.9	479.8	446.3	403.1	344.4	283.1	114.2	19.8	5.0	0.4
17.5°	639.8	628.9	607.1	568.0	514.3	449.1	373.9	141.0	17.6	3.2	0.0
20°	723.3	711.8	691.5	656.9	599.8	523.4	437.2	158.0	14.5	2.0	0.0
21°	747.1	736.0	716.1	681.8	624.9	548.6	452.8	161.6	13.1	1.6	0.0
22°	768.1	759.4	740.9	703.6	645.7	567.2	468.5	162.0	12.1	1.2	0.0
23°	782.9	776.6	758.0	723.7	666.0	582.3	477.0	159.6	10.9	0.8	0.0
24°	797.0	789.3	773.4	741.5	682.2	595.0	484.6	155.2	9.7	0.6	0.0
25°	804.8	796.0	783.7	753.8	695.5	603.1	489.3	149.5	8.5	0.4	0.0
26°	810.3	803.4	789.9	761.1	701.1	608.3	489.9	141.2	7.7	0.2	0.0
27°	818.6	811.7	798.6	767.5	703.6	607.5	486.3	131.8	6.7	0.0	0.0
28°	831.1	822.0	808.9	774.4	704.6	604.1	478.2	121.5	5.6	0.0	0.0
29°	845.4	836.1	821.8	783.5	704.8	597.2	465.5	110.2	5.0	0.0	0.0
30°	860.7	852.7	838.1	792.3	707.0	588.3	450.7	98.1	4.0	0.0	0.0
31°	872.8	865.6	850.0	800.4	708.8	580.7	432.6	86.0	3.4	0.0	0.0
32°	883.3	876.9	857.7	802.2	705.2	569.8	413.2	74.2	2.8	0.0	0.0
33°	890.6	882.5	860.1	797.6	694.7	551.8	391.6	63.2	2.2	0.0	0.0
34°	893.2	883.5	856.5	785.5	673.5	524.6	363.6	51.7	1.8	0.0	0.0
35°	890.4	878.5	843.4	764.7	644.8	492.1	329.9	39.9	1.4	0.0	0.0
36°	881.3	866.2	824.6	735.0	603.9	453.8	296.2	31.1	1.0	0.0	0.0
37°	861.7	845.0	792.5	695.9	563.3	409.8	257.9	24.2	0.6	0.0	0.0
38°	837.7	813.5	749.8	646.5	510.9	360.4	219.9	20.0	0.4	0.0	0.0
39°	796.8	770.1	698.9	589.6	459.4	313.3	183.0	17.4	0.2	0.0	0.0
40°	747.3	715.7	640.8	528.6	398.7	264.1	152.7	14.5	0.2	0.0	0.0
42.5°	563.7	536.9	456.4	359.5	243.7	155.8	84.7	9.5	0.0	0.0	0.0
45°	352.3	324.2	269.8	197.1	132.0	80.7	40.8	5.4	0.0	0.0	0.0
47.5°	143.9	132.0	108.5	83.5	59.7	37.9	16.9	2.4	0.0	0.0	0.0
50°	49.4	44.0	36.9	27.0	19.2	13.1	8.9	0.6	0.0	0.0	0.0
52.5°	14.3	14.5	12.7	10.9	8.5	6.1	4.4	0.0	0.0	0.0	0.0
55°	2.6	2.2	2.6	2.4	2.6	2.2	1.6	0.0	0.0	0.2	0.0
57.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	11.5	11.5	11.5
2.5°	7.5	6.7	6.3
5°	4.2	3.2	3.0
7.5°	2.2	1.4	1.2
10°	0.8	0.2	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)